

FIG. 1

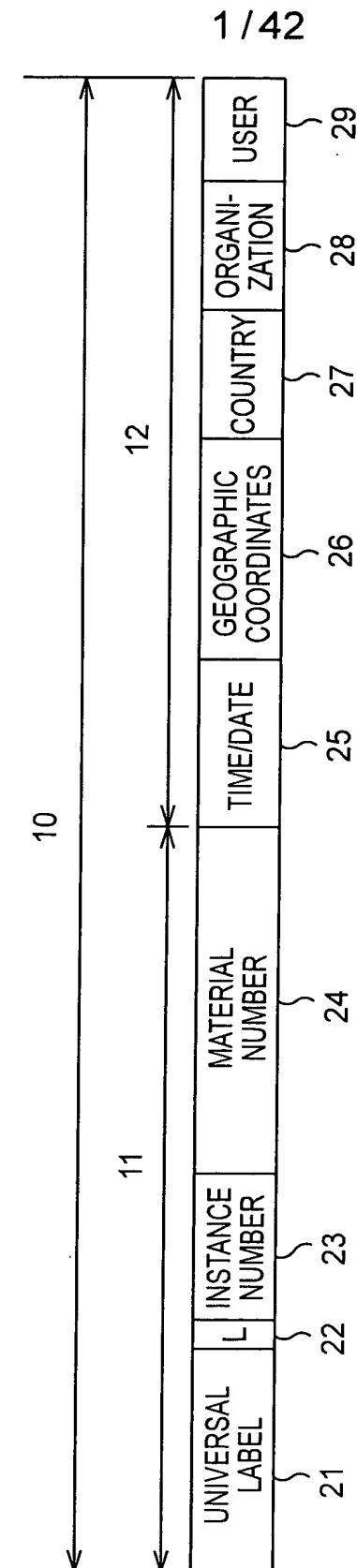


FIG. 2

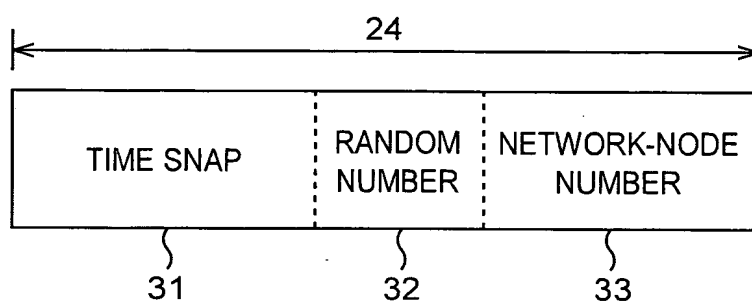


FIG. 3

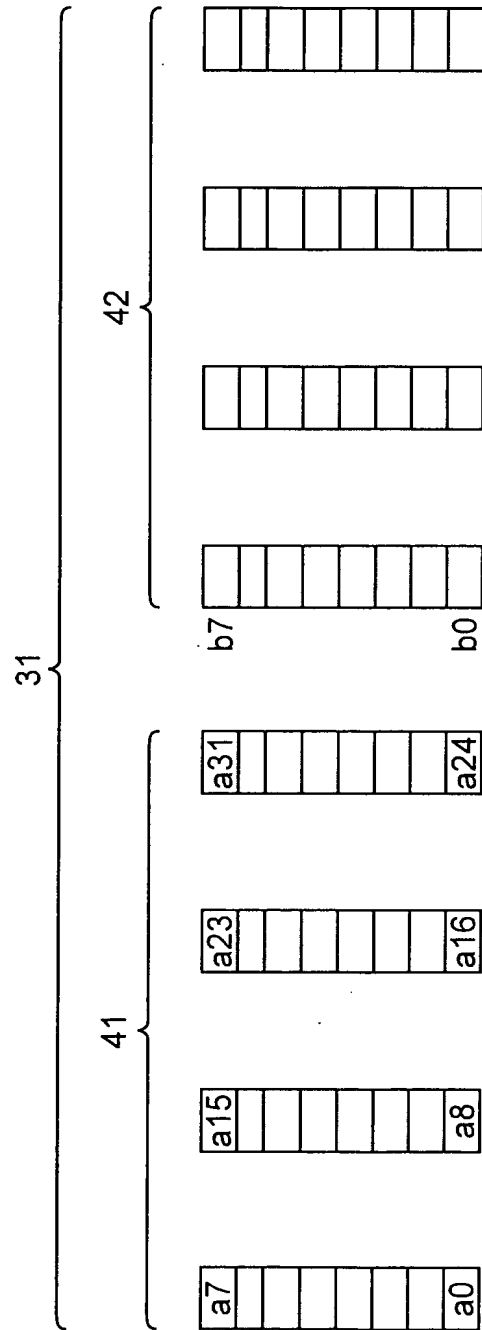


FIG. 4

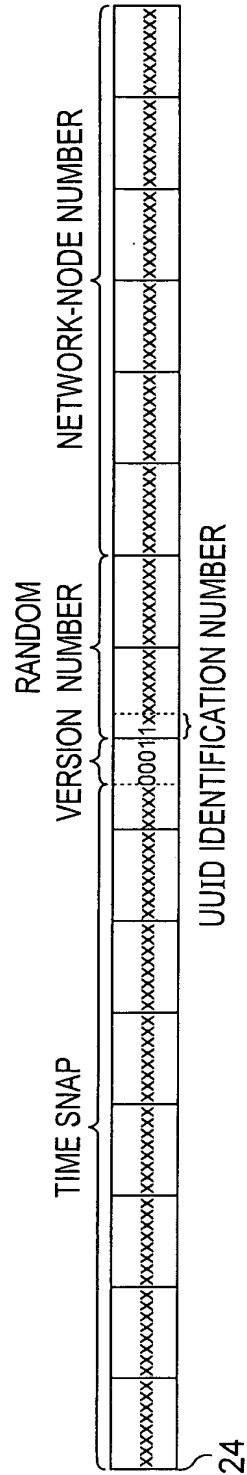


FIG. 5

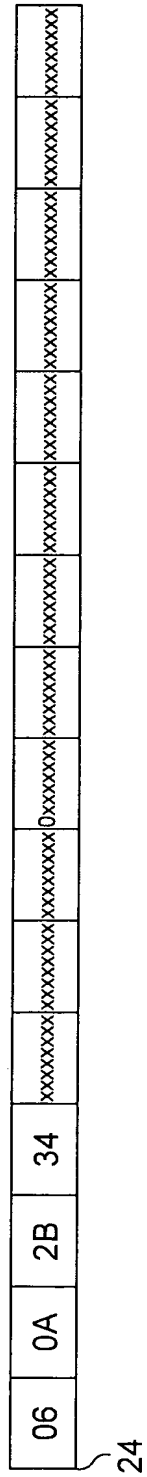


FIG. 6

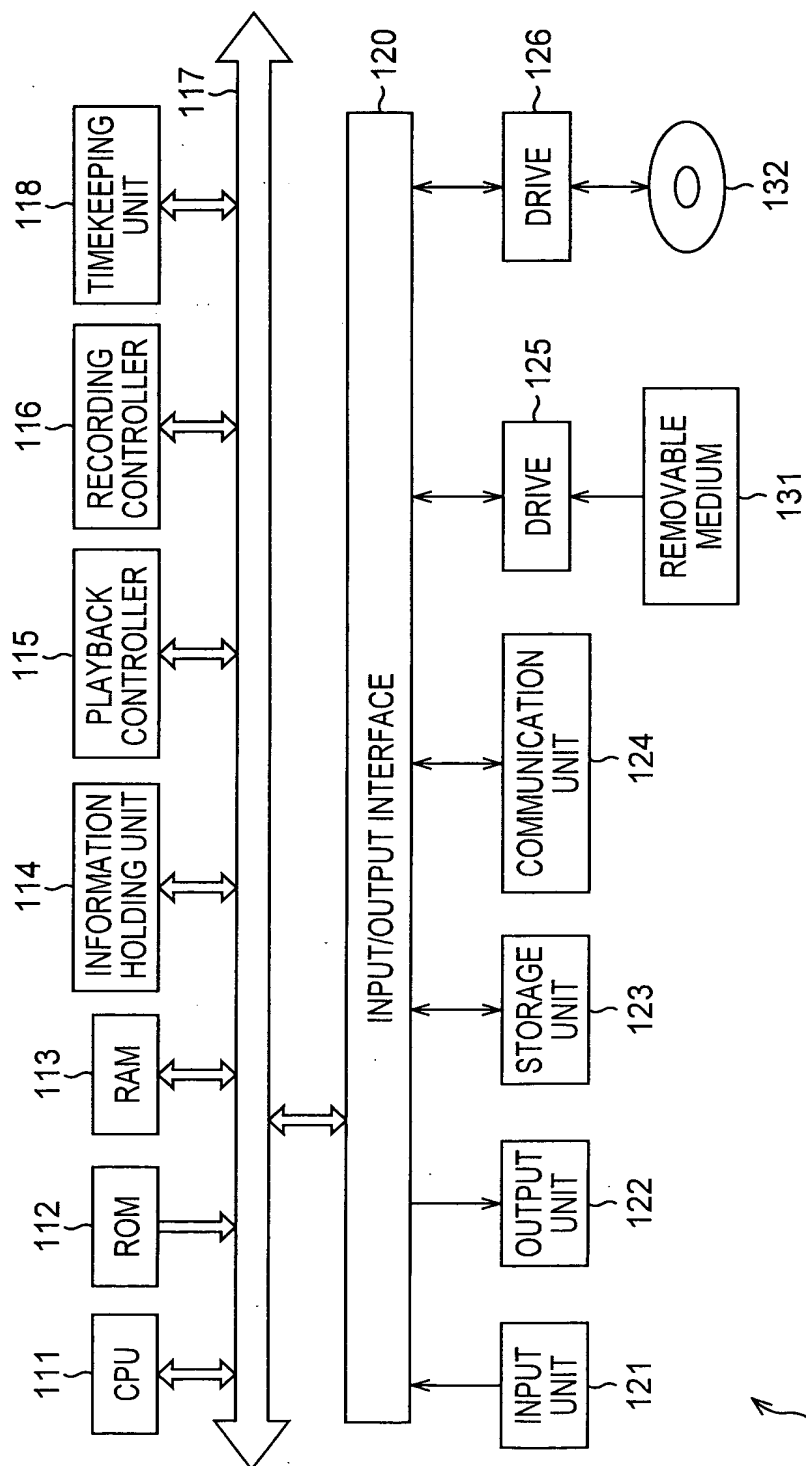


FIG. 7

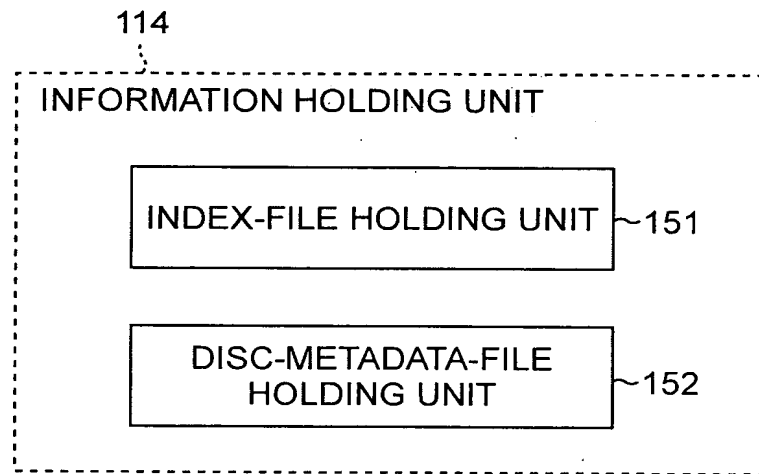


FIG. 8

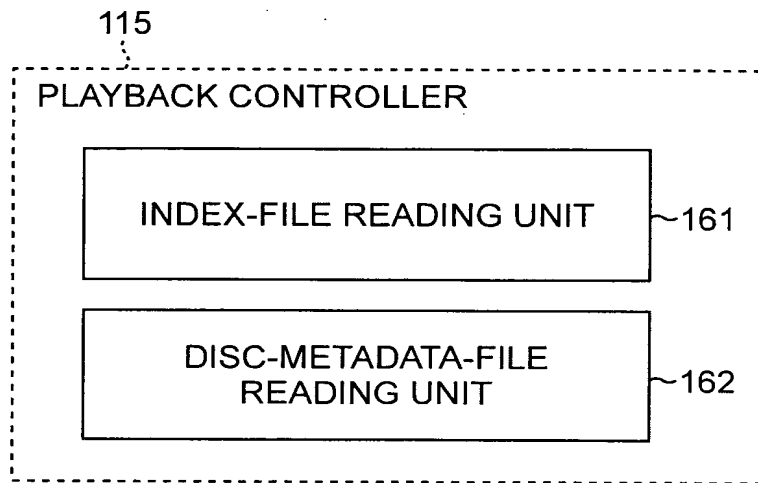


FIG. 9

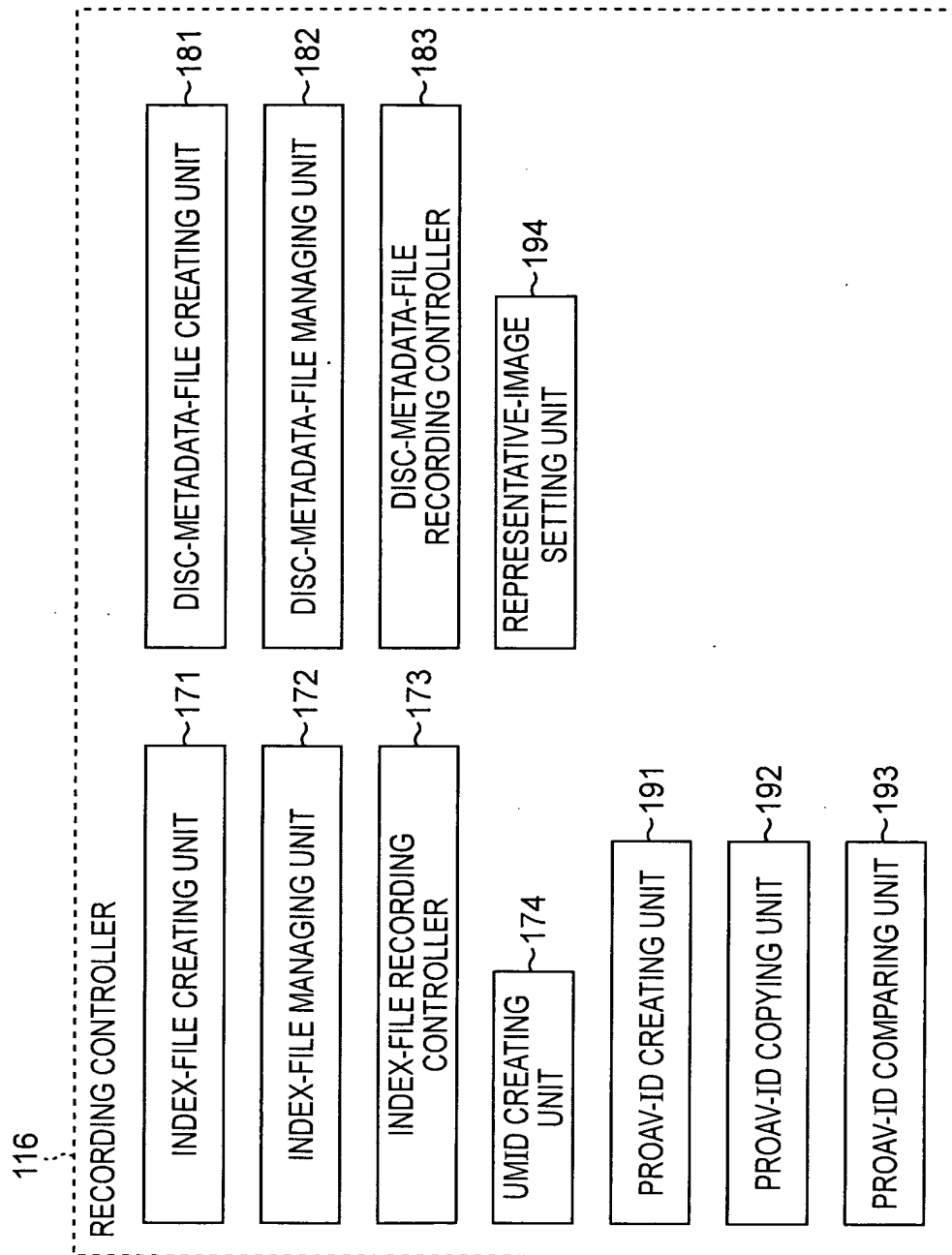


FIG. 10

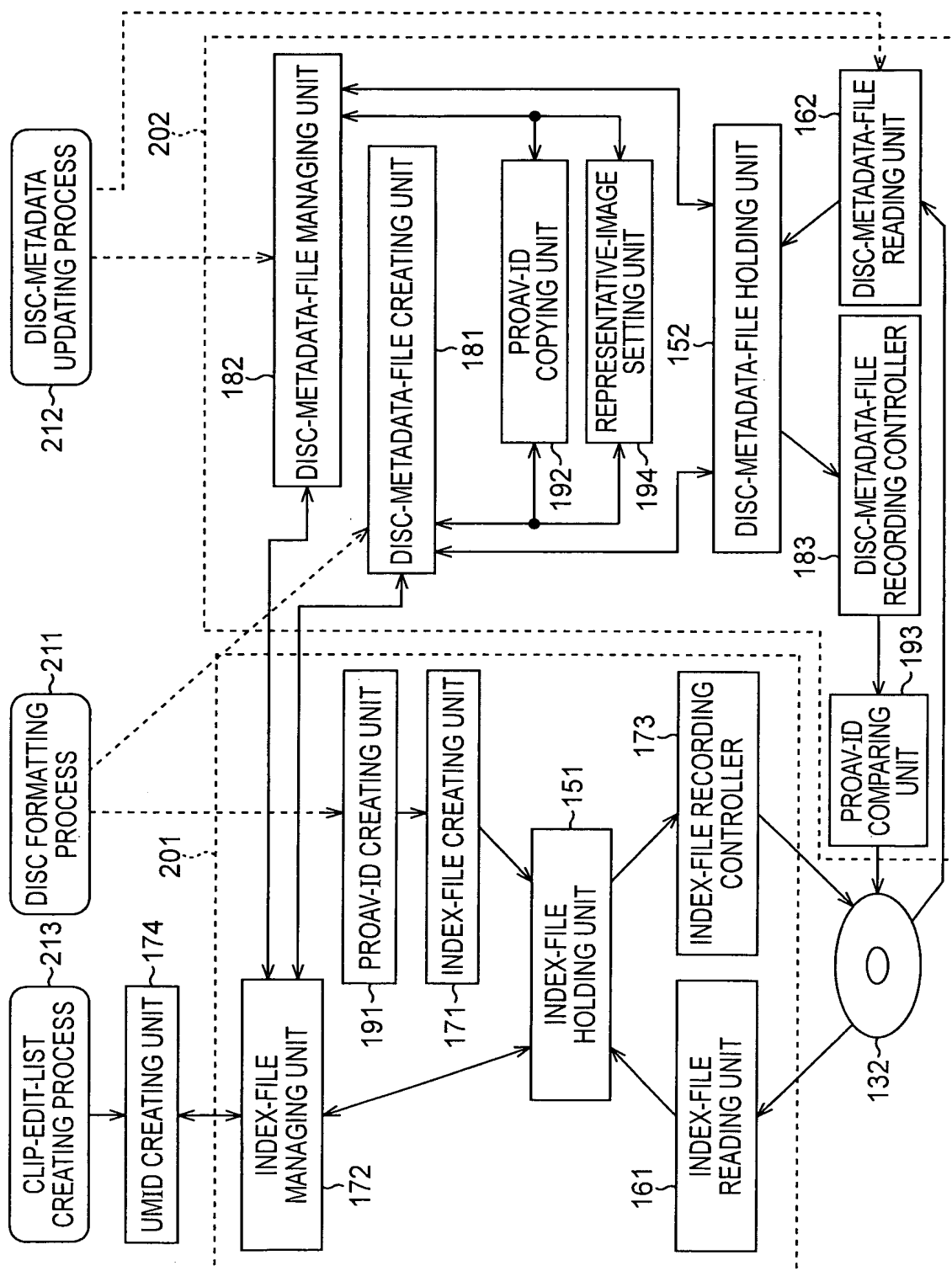


FIG. 11

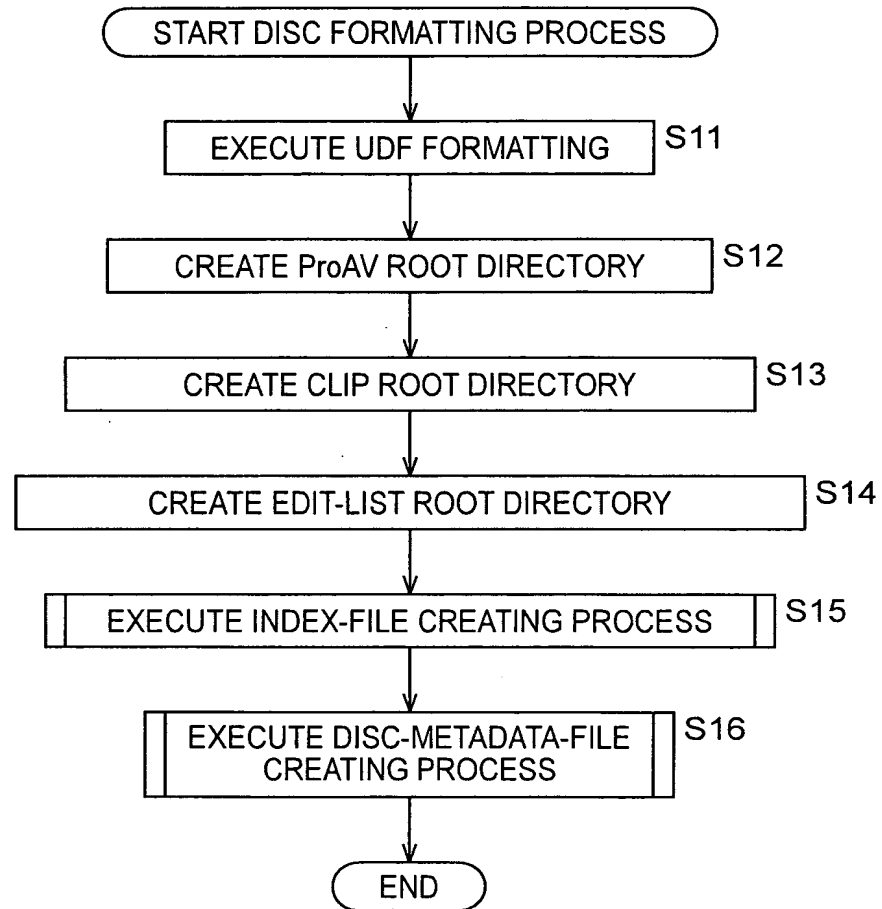


FIG. 12

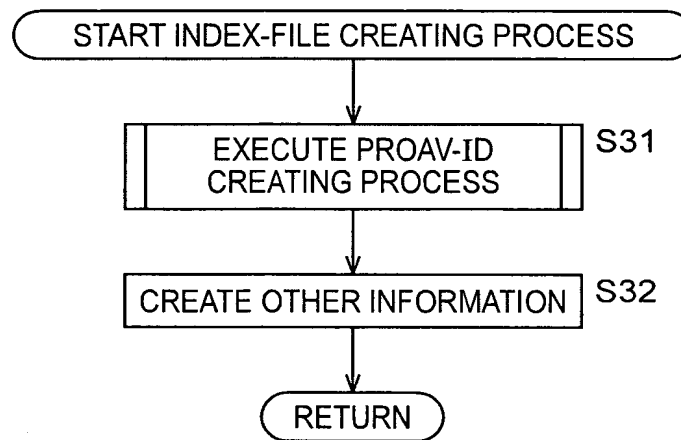


FIG. 13

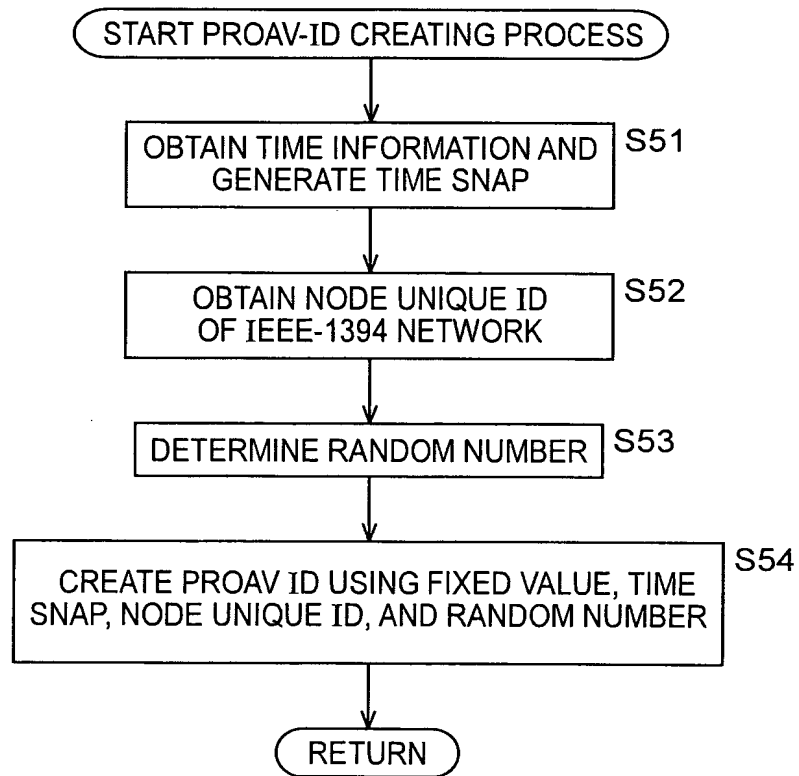


FIG. 14

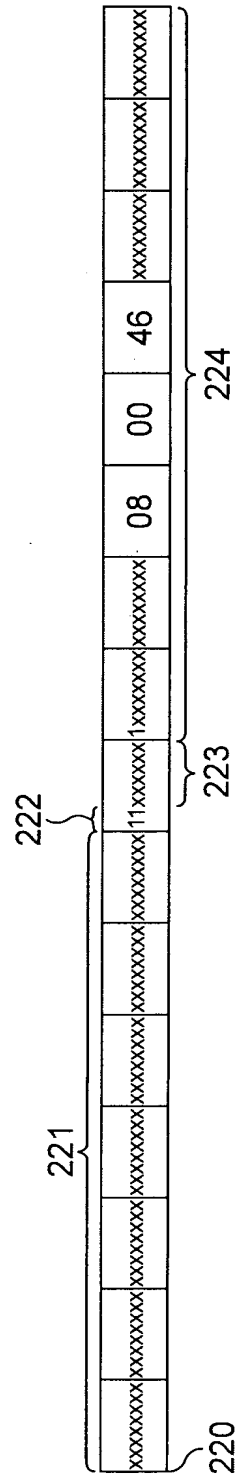
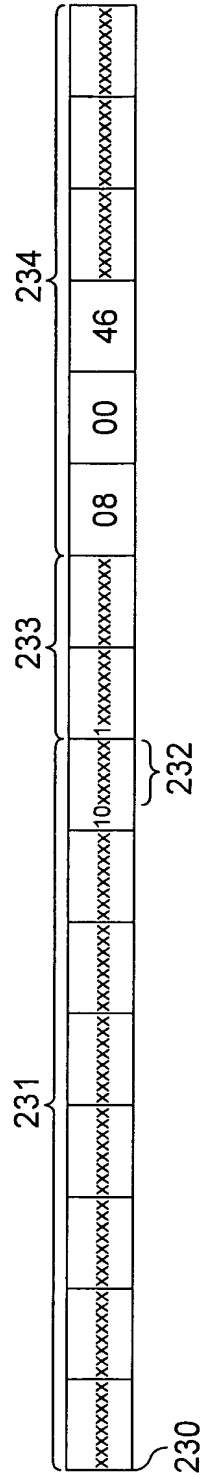


FIG. 15



1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9

```
<?xml version="1.0" encoding="UTF-8"?>
<indexFile xmlns="urn:schemas-professionalDisc:index"
  proav Id="0123456789ABCDEF0123456789ABCDEF">
  <clipTable path="/PROAV/CLPR"/>
  <!-- Normal Clip -->
  <clip id="C0001" umid="0D1213000000000000001044444484EEEE00E0188E130B"
    file="C0001C01.SMI" fps="59.94i" dur="12001" ch="4" aspectRatio="4:3">
    <video umid="0D1213000000000000001044444484EEEE00E0188E130B"
      file="C0001V01.MXF" type="DV25_411" header="65536"/>
    <audio umid="0D1213000000000000001044444484EEEE00E0188E130B"
      file="C0001A01.MXF" type="LPCM16" header="65536" trackDst="CH1"/>
    <audio umid="0D1213000000000000001044444484EEEE00E0188E130B"
      file="C0001A02.MXF" type="LPCM16" header="65536" trackDst="CH2"/>
    <audio umid="0D1213000000000000001044444484EEEE00E0188E130B"
      file="C0001A03.MXF" type="LPCM16" header="65536" trackDst="CH3"/>
    <audio umid="0D1213000000000000001044444484EEEE00E0188E130B"
      file="C0001A04.MXF" type="LPCM16" header="65536" trackDst="CH4"/>
    <subStream umid="0D1213000000000000001044444484EEEE00E0188E130B"
      file="C0001S01.MXF" type="PD-SubStream" header="65536"/>
    <meta file="C0001M01.XML" type="PD-Meta"/>
    <meta file="C0001M02.TXT" type="key:0123456789ABCDEF"/>
    <rtmeta file="C0001R01.BIM" type="std2k" header="65536"/>
  </clip>
  <!-- Partial Deleted Clip -->
  <clip id="C0002" umid="0D1213000000000000001044444484EEEE00E0188E130B"
    file="C0002C01.SMI" fps="59.94i" dur="4000" ch="4" aspectRatio="4:3">
    <video umid="0D1213000000000000001044444484EEEE00E0188E130B"
      file="C0002V01.MXF" type="IMX50" header="80000"/>
    <audio umid="0D1213000000000000001044444484EEEE00E0188E130B"
      file="C0002A01.MXF" type="LPCM16" header="65536" trackDst="CH1"/>
  </clip>
</indexFile>
</proav>
```


FIG. 17

```

1  file="C0002A01.MXF" type="LPCM16" header="100000" trackDst="CH1"/>
2  <audio umid="0D1213000000000000104444484EEEE00E0188E130B"
3  file="C0002A02.MXF" type="LPCM16" header="100000" trackDst="CH2"/>
4  <audio umid="0D1213000000000000104444484EEEE00E0188E130B"
5  file="C0002A03.MXF" type="LPCM16" header="100000" trackDst="CH3"/>
6  <audio umid="0D1213000000000000104444484EEEE00E0188E130B"
7  file="C0002A04.MXF" type="LPCM16" header="100000" trackDst="CH4"/>
8  <subStream umid="0D1213000000000000104444484EEEE00E0188E130B"
9  file="C0002S01.MXF" type="PD-SubStream" header="90000"
10 clipBegin="8"/>
11 <meta file="C0002M01.XML" type="PD-Meta"/>
12 <rtmeta file="C0002R01.BIM" type="std2k" header="70000"/>
13 </clip>
14 <!-- Refered Clip -->
15 <clip id="C0003" umid="0D1213000000000000104444484EEEE00E0188E130B"
16 file="C0003C01.SMI" fps="59.94i" dur="100000" ch="4" aspectRatio="4:3"
17 referer="E0001 E0002 E0003">
18 <video umid="0D1213000000000000104444484EEEE00E0188E130B"
19 file="C0003V01.MXF" type="IMX50" header="65536"/>
20 <audio umid="0D1213000000000000104444484EEEE00E0188E130B"
21 file="C0003A01.MXF" type="LPCM16" header="65536" trackDst="CH1"/>
22 <audio umid="0D1213000000000000104444484EEEE00E0188E130B"
23 file="C0003A02.MXF" type="LPCM16" header="65536" trackDst="CH2"/>
24 <audio umid="0D1213000000000000104444484EEEE00E0188E130B"
25 file="C0003A03.MXF" type="LPCM16" header="65536" trackDst="CH3"/>
26 <audio umid="0D1213000000000000104444484EEEE00E0188E130B"
27 file="C0003A04.MXF" type="LPCM16" header="65536" trackDst="CH4"/>
28 <subStream umid="0D1213000000000000104444484EEEE00E0188E130B"
29 file="C0003S01.MXF" type="PD-SubStream" header="65536"/>

```

FIG. 18

```

1  <meta file="C0003M01.XML" type="PD-Meta"/>
2  <rtmeta file="C0003R01.BIM" type="std2k" header="65536"/>
3  </clip>
4  <!-- Long GOP -->
5  <clip id="C0004" umid="0D1213000000000000104444484EEEE00E0188E130B"
6  file="C0004C01.SMI" fps="59.94i" dur="12001" ch="4" aspectRatio="16:9"
7  referer="E0004">
8  <video umid="0D1213000000000000104444484EEEE00E0188E130B"
9  file="C0004V01.MXF" type="MPEG2HD25_1440_MP@HL" header="65536"/>
10 <audio umid="0D1213000000000000104444484EEEE00E0188E130B"
11 file="C0004A01.MXF" type="LPCM16" header="65536" trackDst="CH1"/>
12 <audio umid="0D1213000000000000104444484EEEE00E0188E130B"
13 file="C0004A02.MXF" type="LPCM16" header="65536" trackDst="CH2"/>
14 <audio umid="0D1213000000000000104444484EEEE00E0188E130B"
15 file="C0004A03.MXF" type="LPCM16" header="65536" trackDst="CH3"/>
16 <audio umid="0D1213000000000000104444484EEEE00E0188E130B"
17 file="C0004A04.MXF" type="LPCM16" header="65536" trackDst="CH4"/>
18 <subStream umid="0D1213000000000000104444484EEEE00E0188E130B"
19 file="C0004S01.MXF" type="PD-SubStream" header="65536"/>
20 <meta file="C0004M01.XML" type="PD-Meta"/>
21 <meta file="C0004I01.XML" type="PD-PP"/>
22 <rtmeta file="C0004R01.BIM" type="std2k" header="65536"/>
23 </clip>
24 </clipTable>
25 <editlistTable path="/PROAV/EDTR"/>
26 <editlist id="E0001" umid="0D1213000000000000104444484EEEE00E0188E130B"
27 file="E0001E01.SMI" dur="500" fps="59.94i" ch="4" aspectRatio="4:3">
28 <meta file="E0001M01.XML" type="PD-Meta"/>

```

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

```
</editlist>
<editlist id="E0002" umid="0D12130000000000001044444484EEEE00E0188E130B"
file="E0002E01.SMI" dur="500" fps="59.94" ch="4" aspectRatio="4:3">
<meta file="E0002M01.XML" type="PD-Meta"/>
</editlist>
<editlist id="E0003" umid="0D12130000000000001044444484EEEE00E0188E130B"
file="E0003E01.SMI" dur="500" fps="59.94" ch="4" aspectRatio="4:3">
<meta file="E0003M01.XML" type="PD-Meta"/>
</editlist>
<editlist id="E0004" umid="0D12130000000000001044444484EEEE00E0188E130B"
file="E0003E01.SMI" dur="500" fps="59.94" ch="4" aspectRatio="16:9">
<meta file="E0003M01.XML" type="PD-Meta"/>
<meta file="E0003I01.XML" type="PD-PP"/>
</editlist>
</editlistTable>
</indexFile>
```

FIG. 20

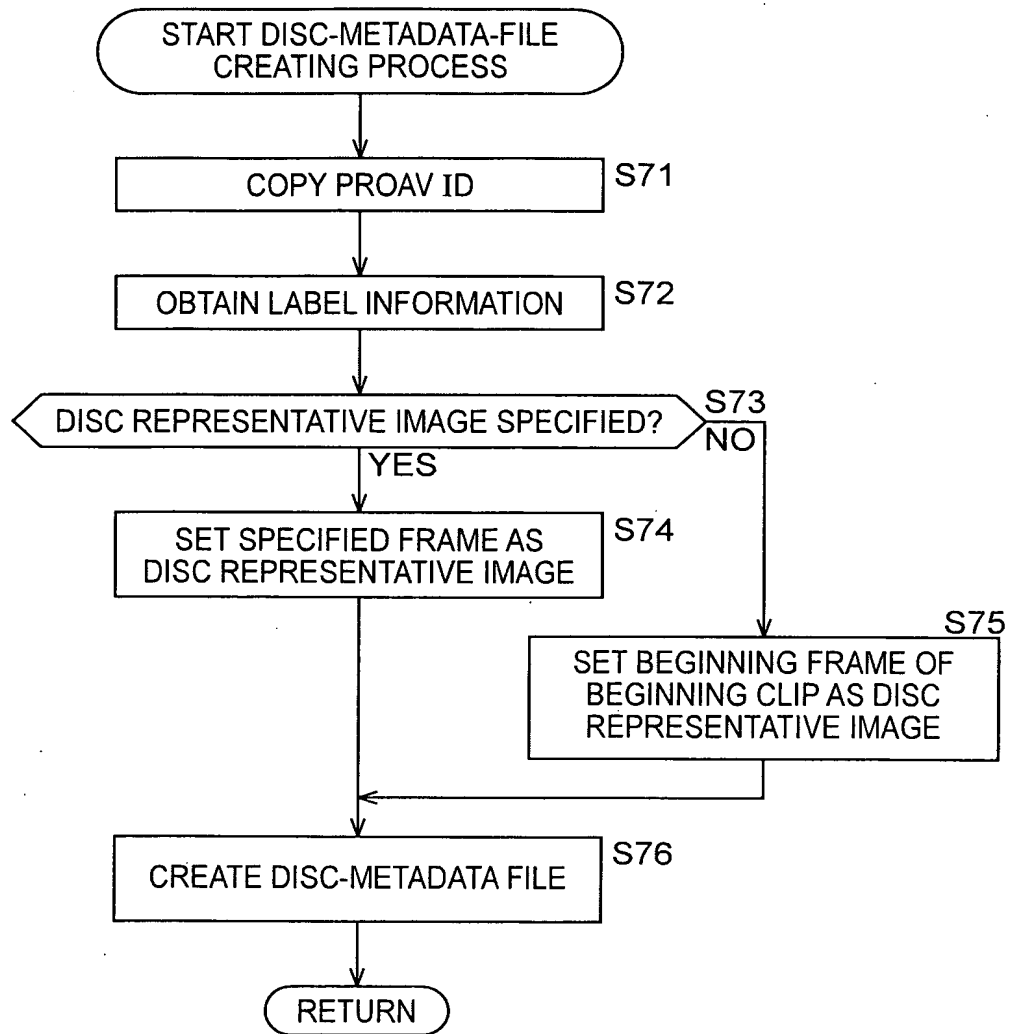


FIG. 21

NUMBER	ELEMENT NAME	ELEMENT TYPE	VALUE FORMAT OR ENUMERATED VALUES	EXAMPLE OF VALUE	OCCURRENCE	MEANING	INPUT METHOD
1	mainTitle	nr			0-	MAIN TITLE	INPUT BY USER
2	subTitle	nr			0-	SUBTITLE	INPUT BY USER
3	otherTitle	nr			0-	OTHER TITLE	INPUT BY USER
4	CreationDate	lib:date Time Type			0-	CREATION DATE OF Index File	AUTOMATICALLY RECORDED BY SET WHEN Index File IS CREATED.
5	userDate	lib:date Time Type			0-	DATE AND TIME USER WISHES TO ENTER	INPUT BY USER
6	userDefinedID	7bit ASCII NOT MORE THAN 63 CHARACTERS			0-1	USER-DEFINED MANAGEMENT ID	INPUT BY USER
7	description	UTF-8 NOT MORE THAN 1023 byt			0-1	FREE TEXT	INPUT BY USERF
8	typ	7bit ASCII 12 CHARACTERS	CXXXX-YYYYYY XXXX; CLIP NUMBER YYYYYY; FRAME NUMBER	C0001-1	0-1	REPRESENTATIVE FRAME OF DISC. SPECIFIED BY CLIP AND FRAME NUMBERS. INITIAL VALUE IS C0001-1.	INITIAL VALUE IS AUTOMATICALLY RECORDED BY SET WHEN Index File IS CREATED.
9	PROAV ID	7bit ASCII 16 CHARACTERS			1	SAME AS PROAV ID OF Index File	AUTOMATICALLY RECORDED BY SET WHEN Index File IS CREATED.

FIG. 22

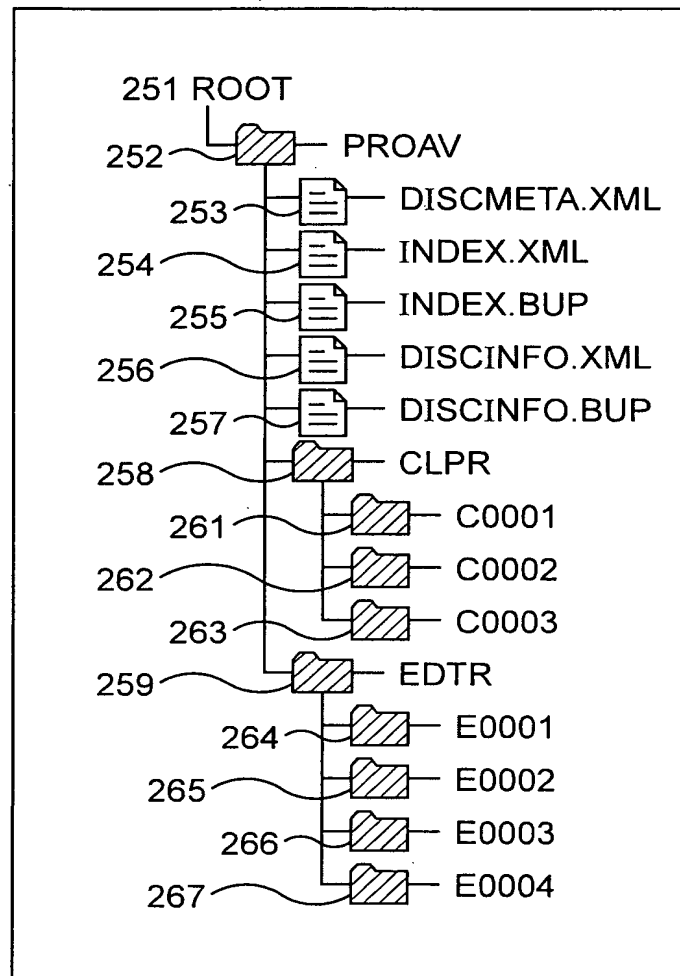


FIG. 23

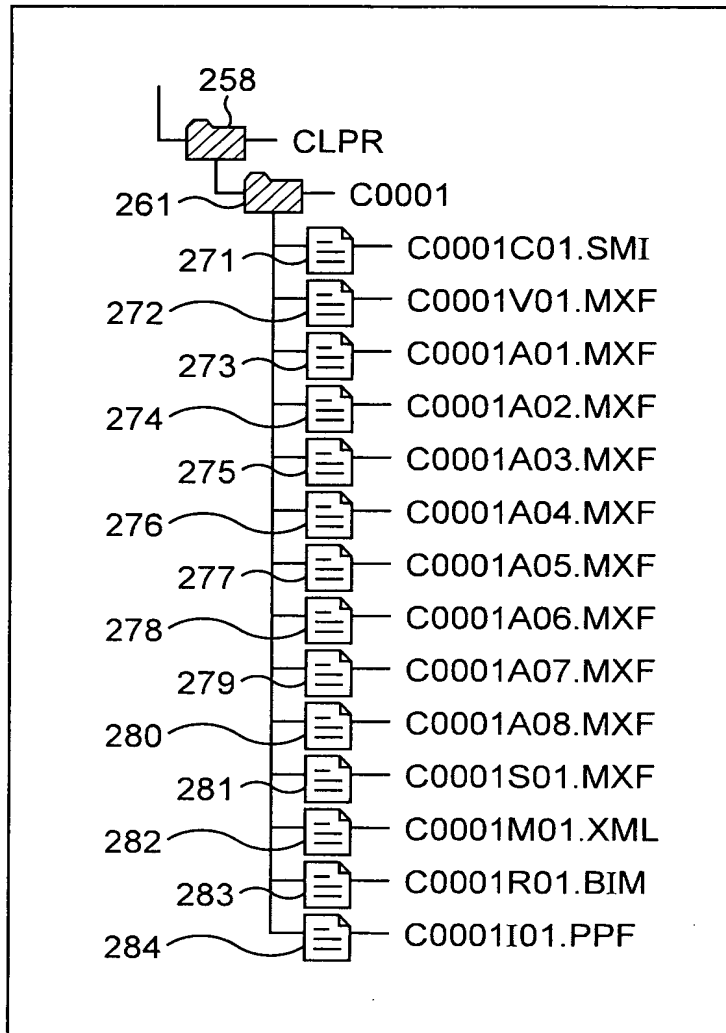


FIG. 24

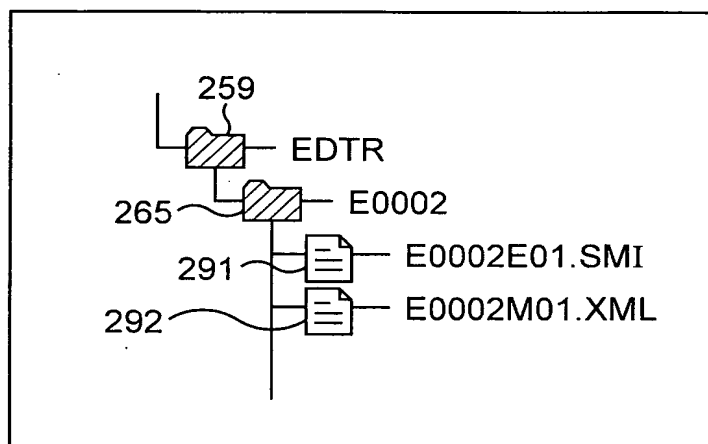


FIG. 25

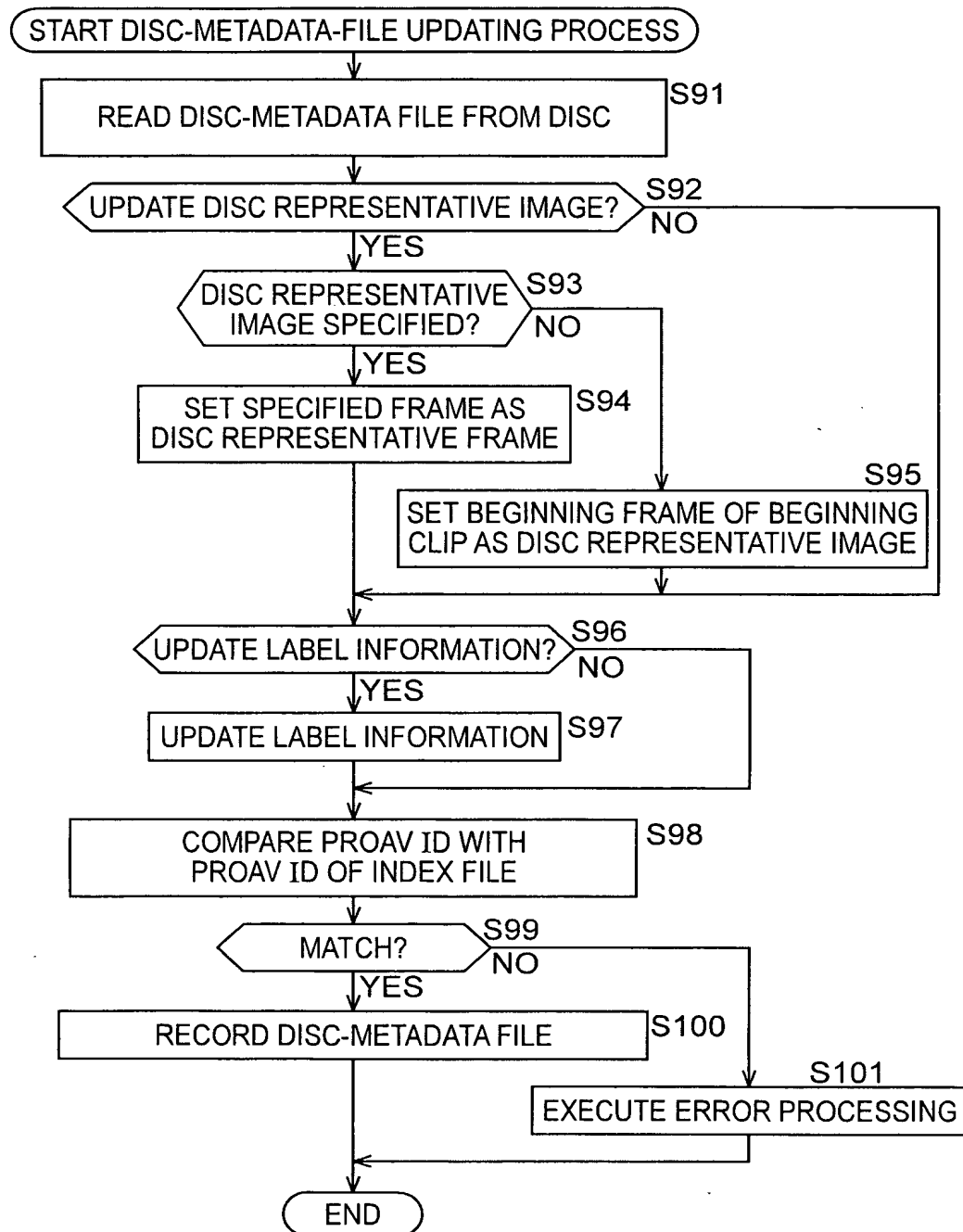


FIG. 26

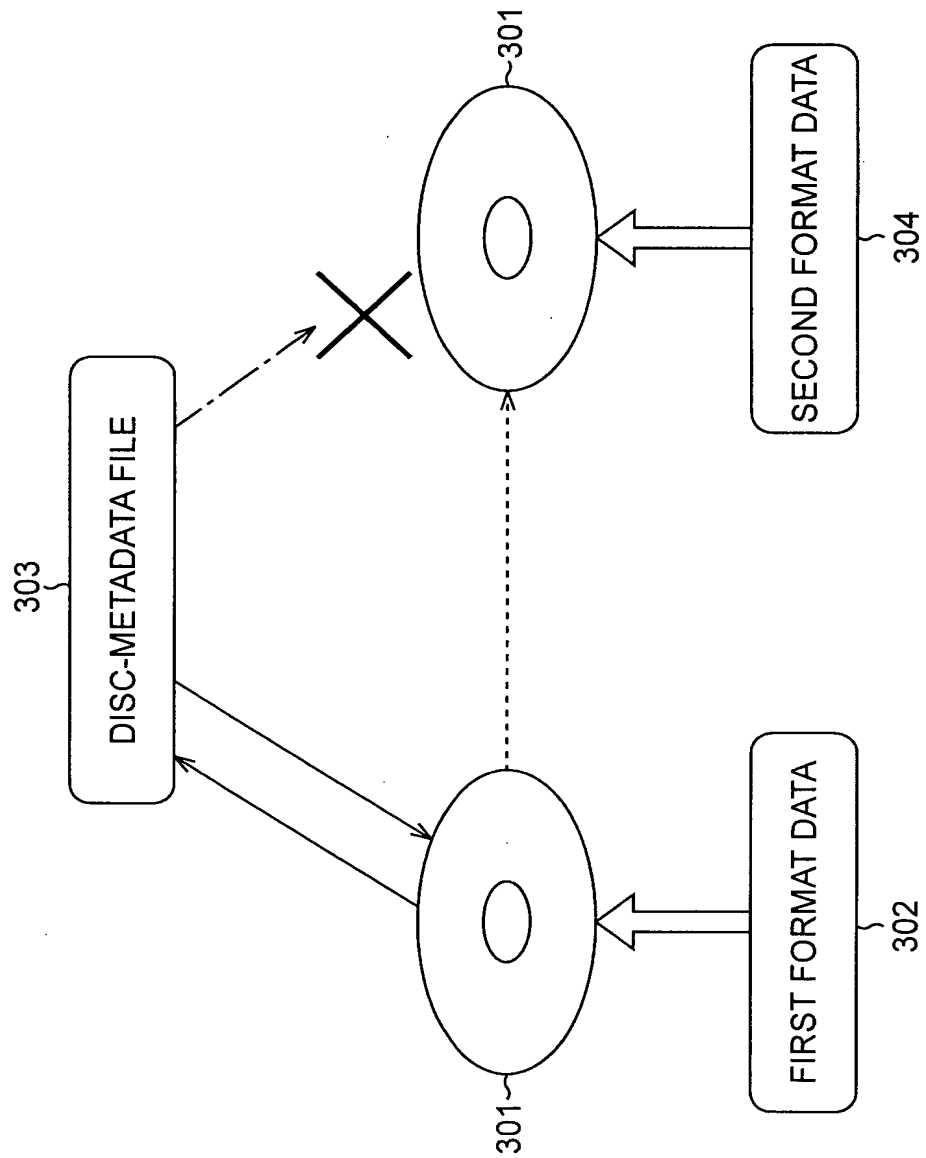


FIG. 27

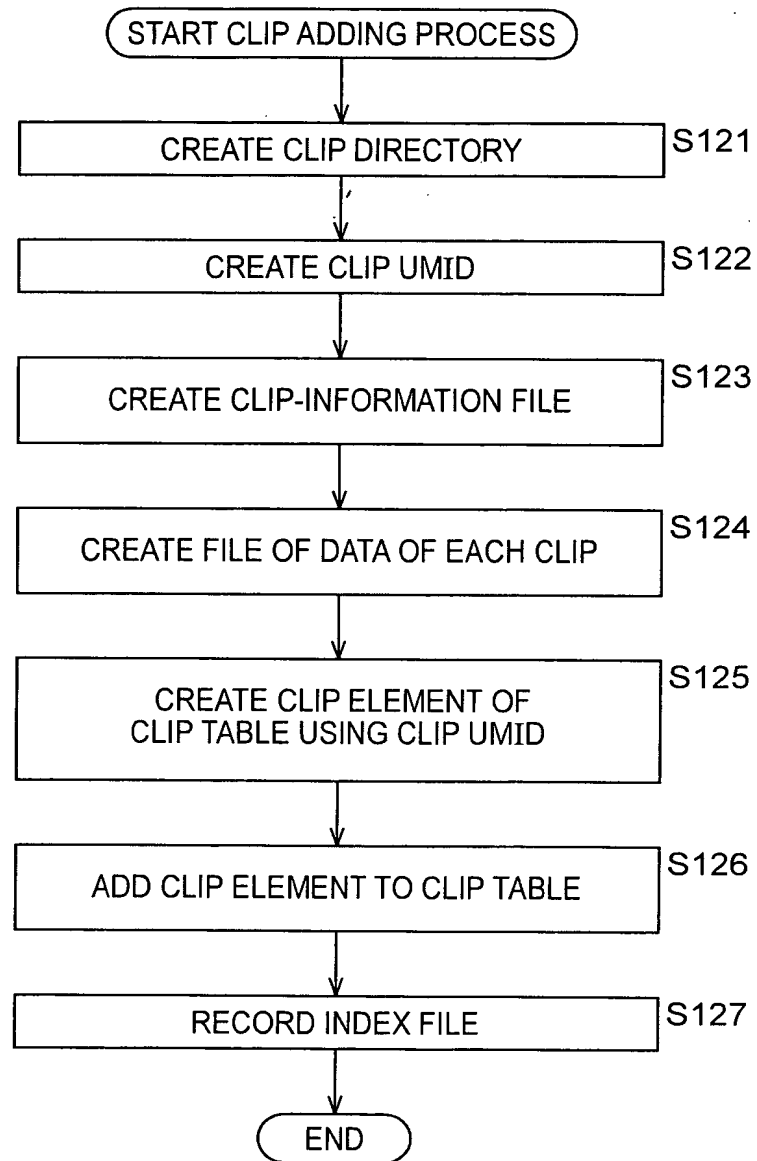


FIG. 28

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <smil xmlns="urn:schemas-professionalDisc:edi:clipInfo">
3  <umid="0D121300000000001044444484EEEE00E0188E130B">
4  <head>
5  <metadata type="Meta">
6  <!-- nonrealtime meta -->
7  <NRMeta xmlns="urn:schemas:proDisc:nrt">
8  <ref src="C0001M01.XML"/>
9  </NRMeta>
10 </metadata>
11 </head>
12 <body>
13 <par>
14 <switch>
15 <!-- main stream -->
16 <par systemComponent="IMX50">
17 <video
18 src="urn:smpte:umid:060A2B340101010501010D12130000000123456789ABCDEF0123456789ABCDEF"
19 type="IMX50"/>
20 <audio
21 src="urn:smpte:umid:060A2B340101010501010D12130000000123456789ABCDEF0123456789ABCDEF0"
22 type="LPCM16" trackDst="CH1"/>
23 <audio
24 src="urn:smpte:umid:060A2B340101010501010D1213000000023456789ABCDEF0123456789ABCDEF01"
25 type="LPCM16" trackDst="CH2"/>
26 <audio
27 src="urn:smpte:umid:060A2B340101010501010D121300000003456789ABCDEF0123456789ABCDEF012"
28 type="LPCM16" trackDst="CH3"/>
29 <audio
30 src="urn:smpte:umid:060A2B340101010501010D12130000000456789ABCDEF0123456789ABCDEF0123"

```

FIG. 29

```

1  type="LPCM16" trackDst="CH4"/>
2  <audio
3  src="urn:smp:umid:060A2B3401010501010D121300000056789ABCDEF0123456789ABCDEF01234"
4  type="LPCM16" trackDst="CH5"/>
5  <audio
6  src="urn:smp:umid:060A2B3401010501010D12130000006789ABCDEF0123456789ABCDEF012345"
7  type="LPCM16" trackDst="CH6"/>
8  <audio
9  src="urn:smp:umid:060A2B3401010501010D1213000000789ABCDEF0123456789ABCDEF0123456"
10 type="LPCM16" trackDst="CH7"/>
11 <audio
12 src="urn:smp:umid:060A2B3401010501010D121300000089ABCDEF0123456789ABCDEF01234567"
13 type="LPCM16" trackDst="CH8"/>
14 </par>
15 <!-- sub stream -->
16 <ref
17 src="urn:smp:umid:060A2B3401010501010D12130000009ABCDEF0123456789ABCDEF012345678"
18 type="SubStream" systemComponent="SubStream"/>
19 </switch>
20 <!-- realtime meta -->
21 <metastream src="C0001R01.BIM" type="required2k"/>
22 </par>
23 </body>
24 </smil>

```

FIG. 30

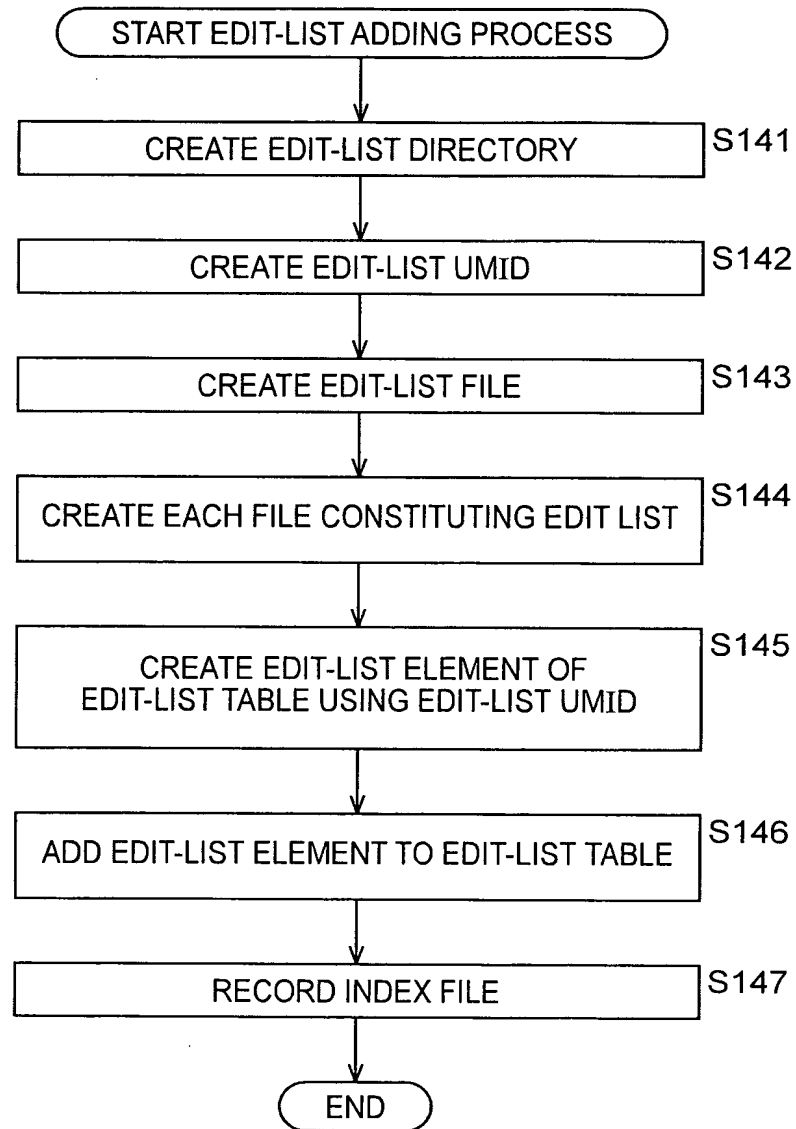


FIG. 31

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <smil xmlns="urn:schemas-professionalDisc:editList">
3 <umid="0D1213000000000000104444484EEEE00E0188E130B">
4 <head>
5 <metadata type="Meta">
6 <!-- nonrealtime meta -->
7 <NRMeta xmlns="urn:schemas-professionalDisc:nrt">
8 <ref src="E0002M01.XML"/>
9 </NRMeta>
10 </metadata>
11 </head>
12 <body>
13 <par>
14 <!-- Clip1 -->
15 <ref
16 src="urn:smpte:umid:060A2B3401010501010D1213000000FEDCBA9876543210FEDCBA9876543210"
17 type="edIDoc" begin="smpte-30=00:00:00:00" clipBegin="smpte-30=00:00:00:00" clipEnd="smpte-
18 30=00:10:00:00"/>
19 <!-- Clip2 -->
20 <ref
21 src="urn:smpte:umid:060A2B3401010501010D1213000000EDCBA9876543210FEDCBA9876543210F"
22 type="edIDoc" begin="smpte-30=00:10:00:00" clipBegin="smpte-30=00:02:00:00" clipEnd="smpte-
23 30=00:03:30:00"/>
24 </par>
25 </body>
26 </smil>

```

FIG. 32

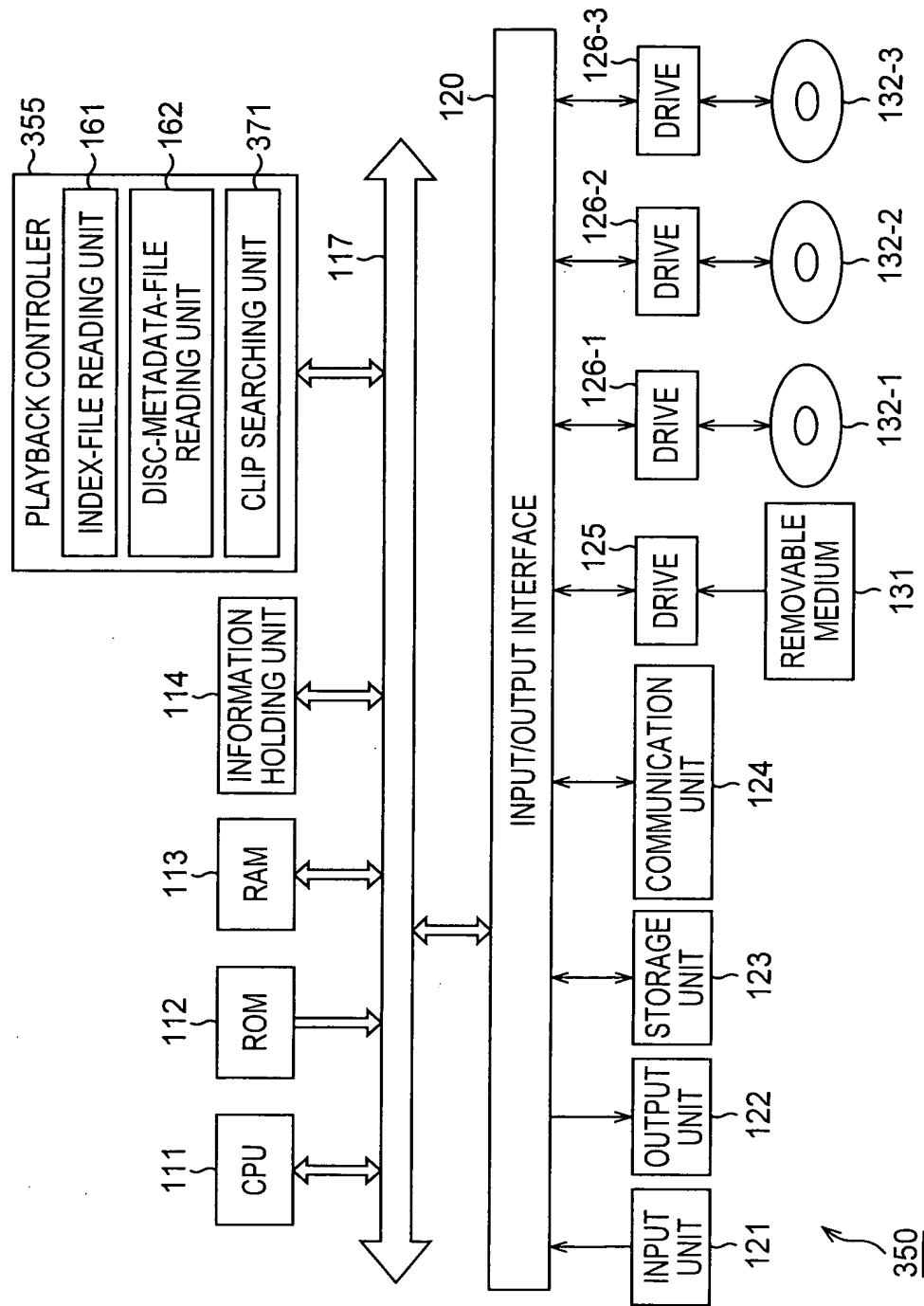


FIG. 33

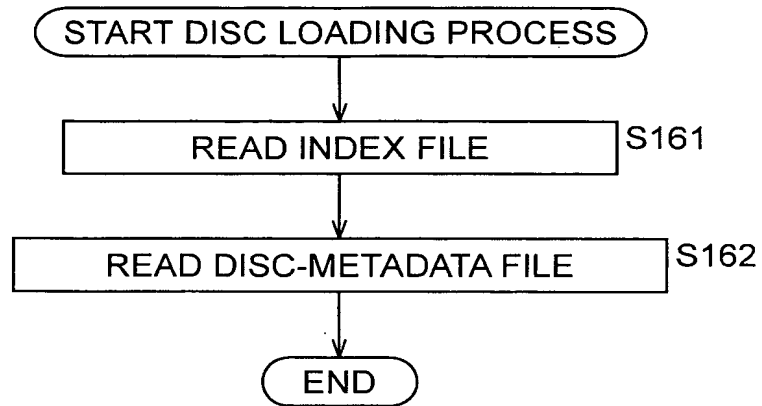


FIG. 34

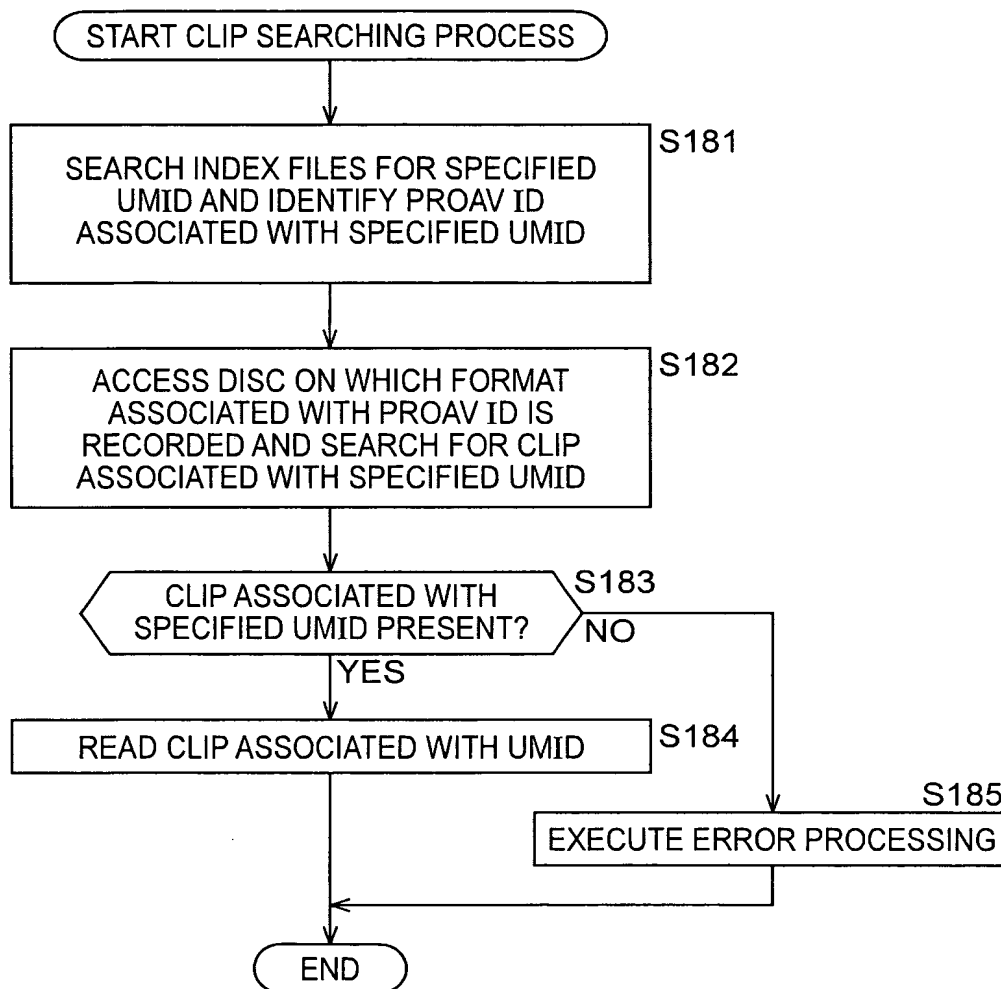


FIG. 35

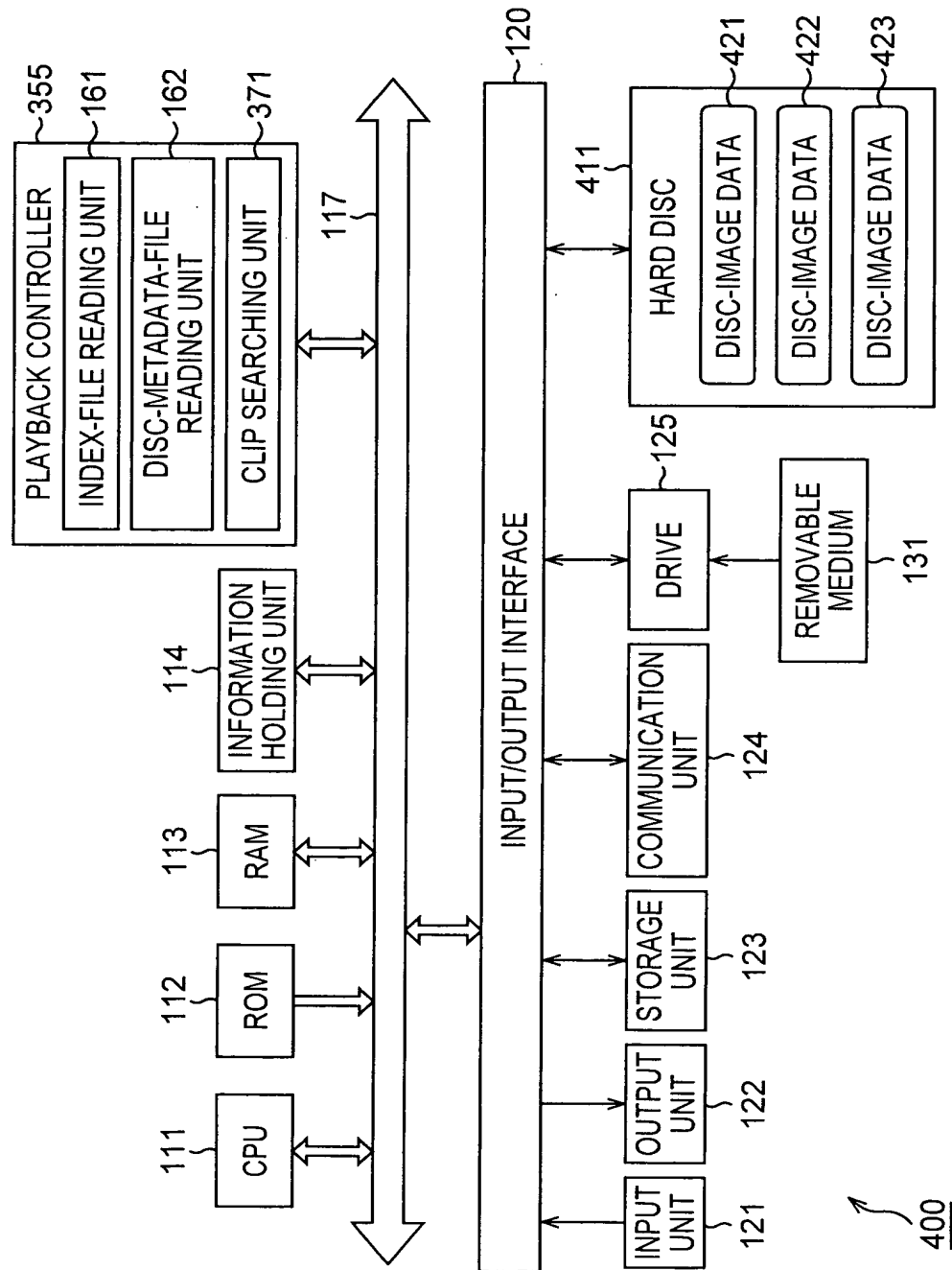


FIG. 36

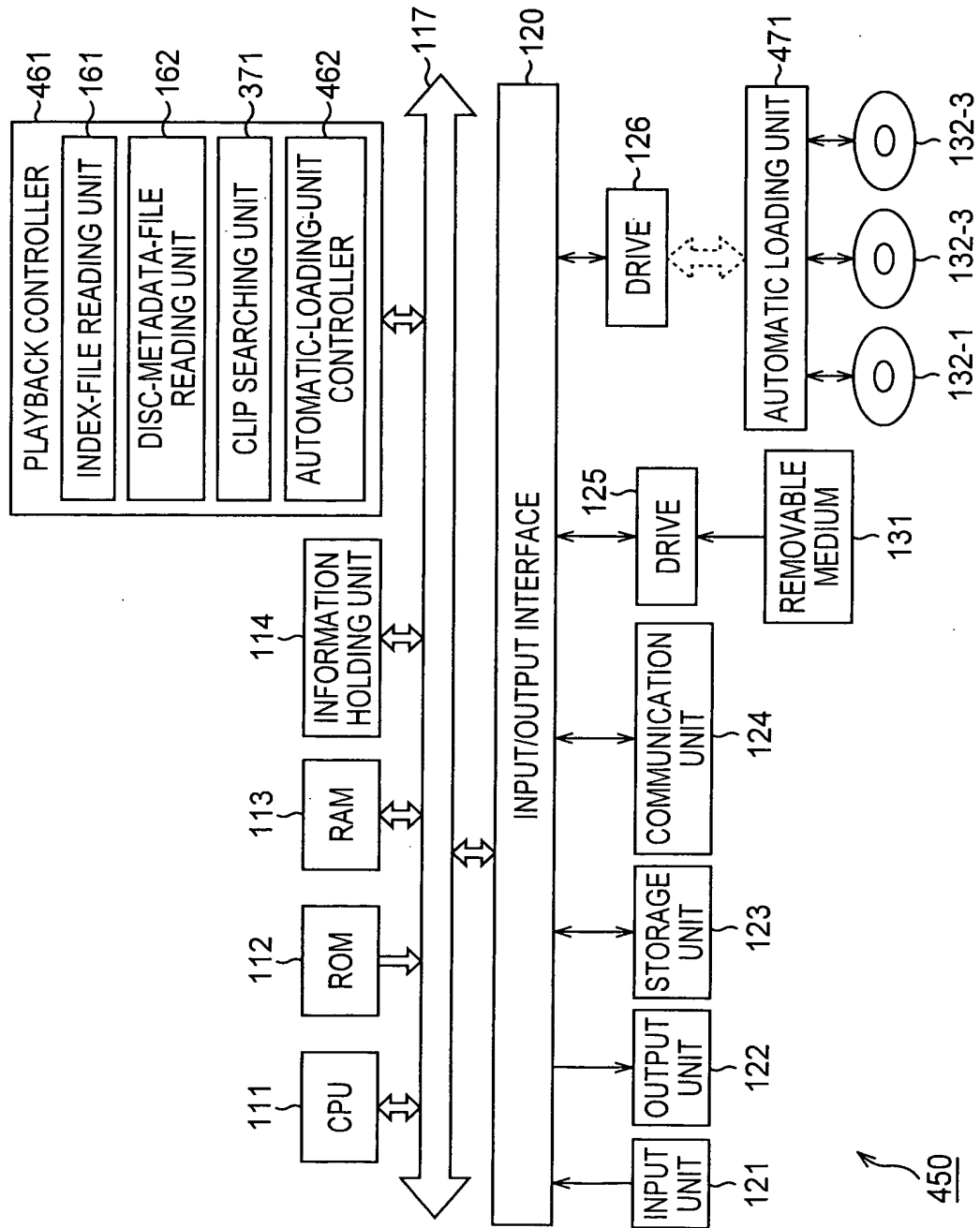


FIG. 37

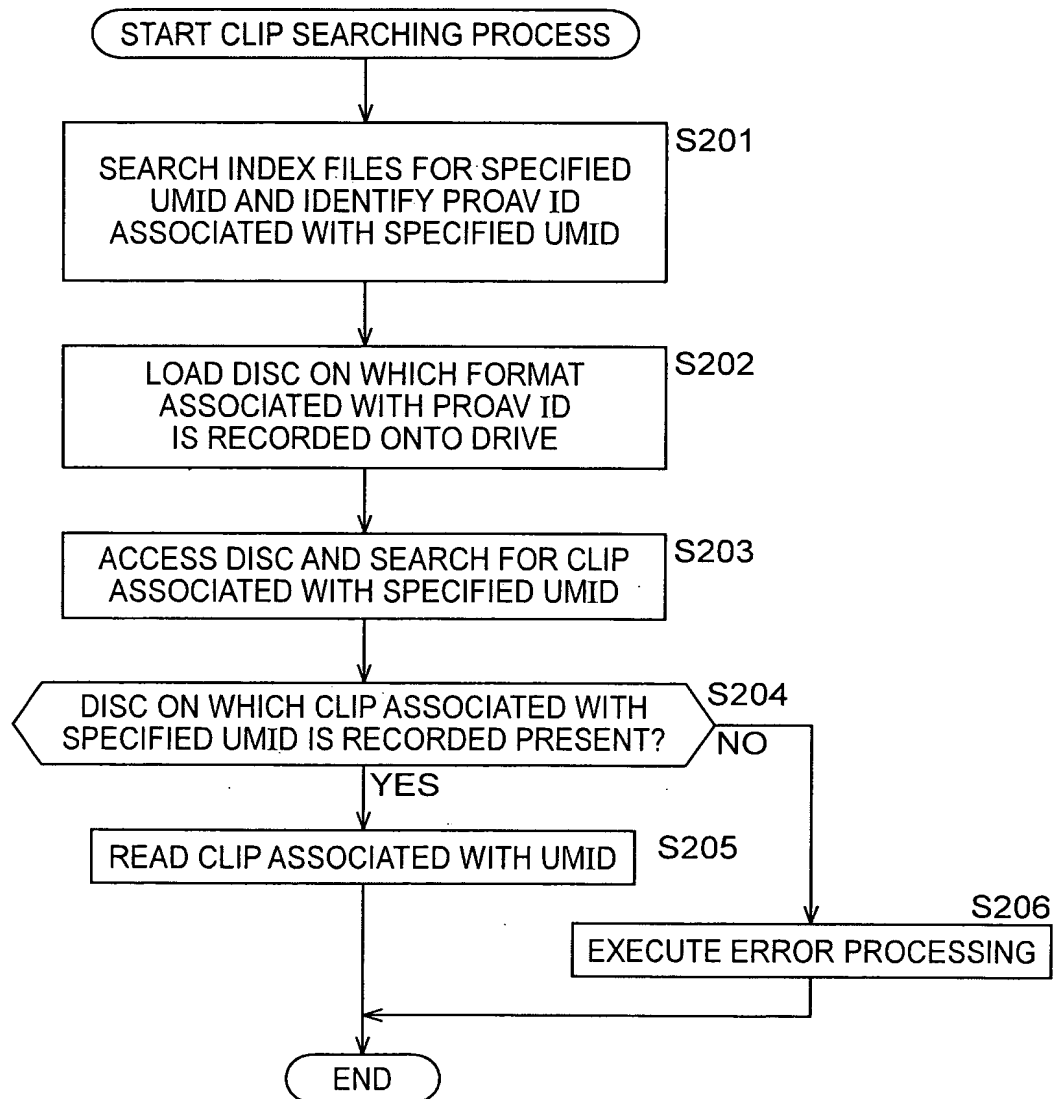


FIG. 38

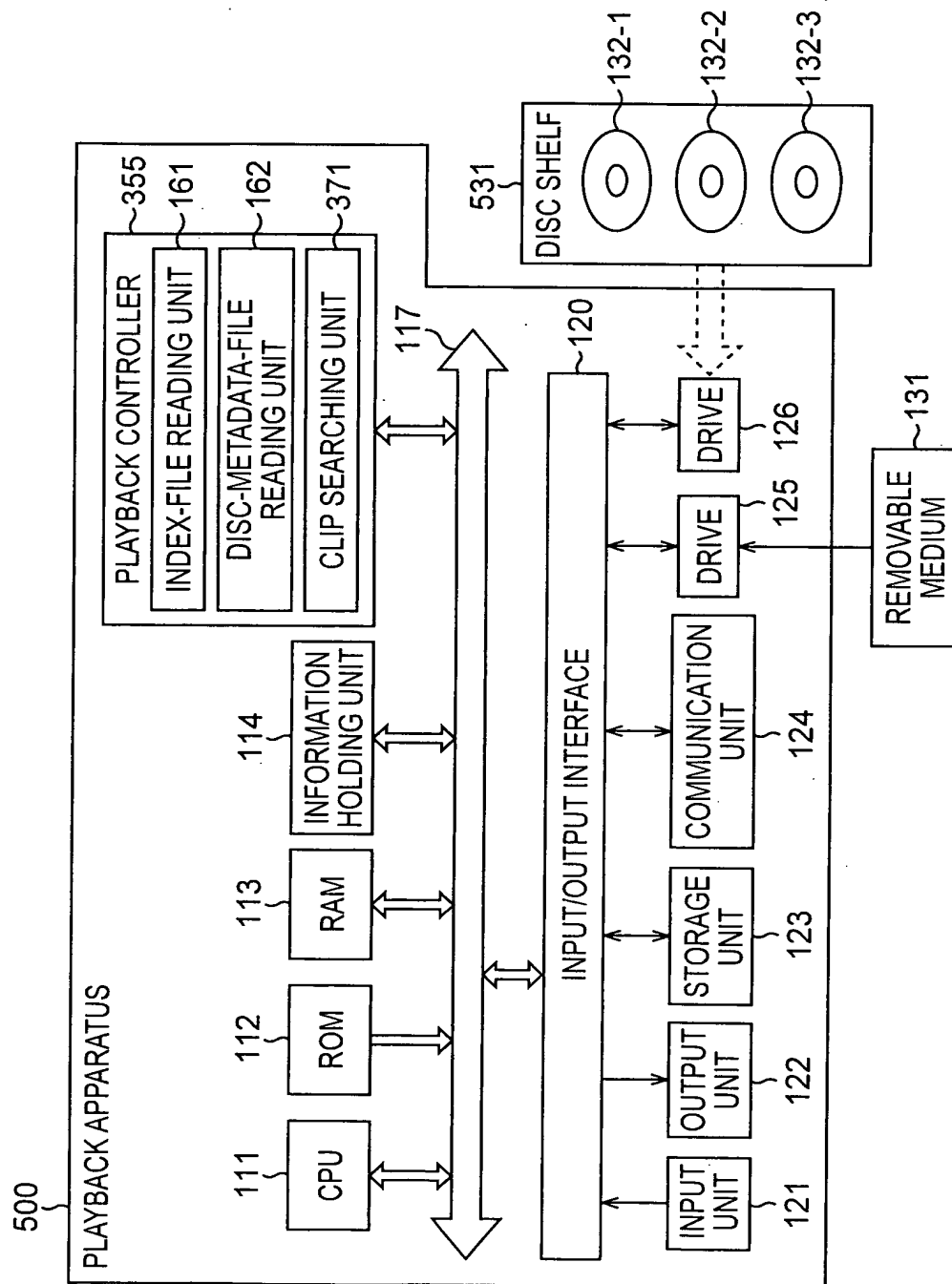
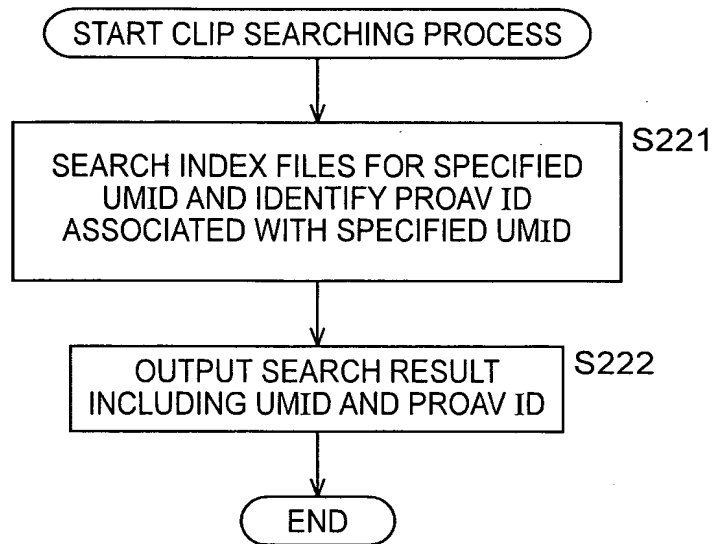


FIG. 39



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FIG. 40

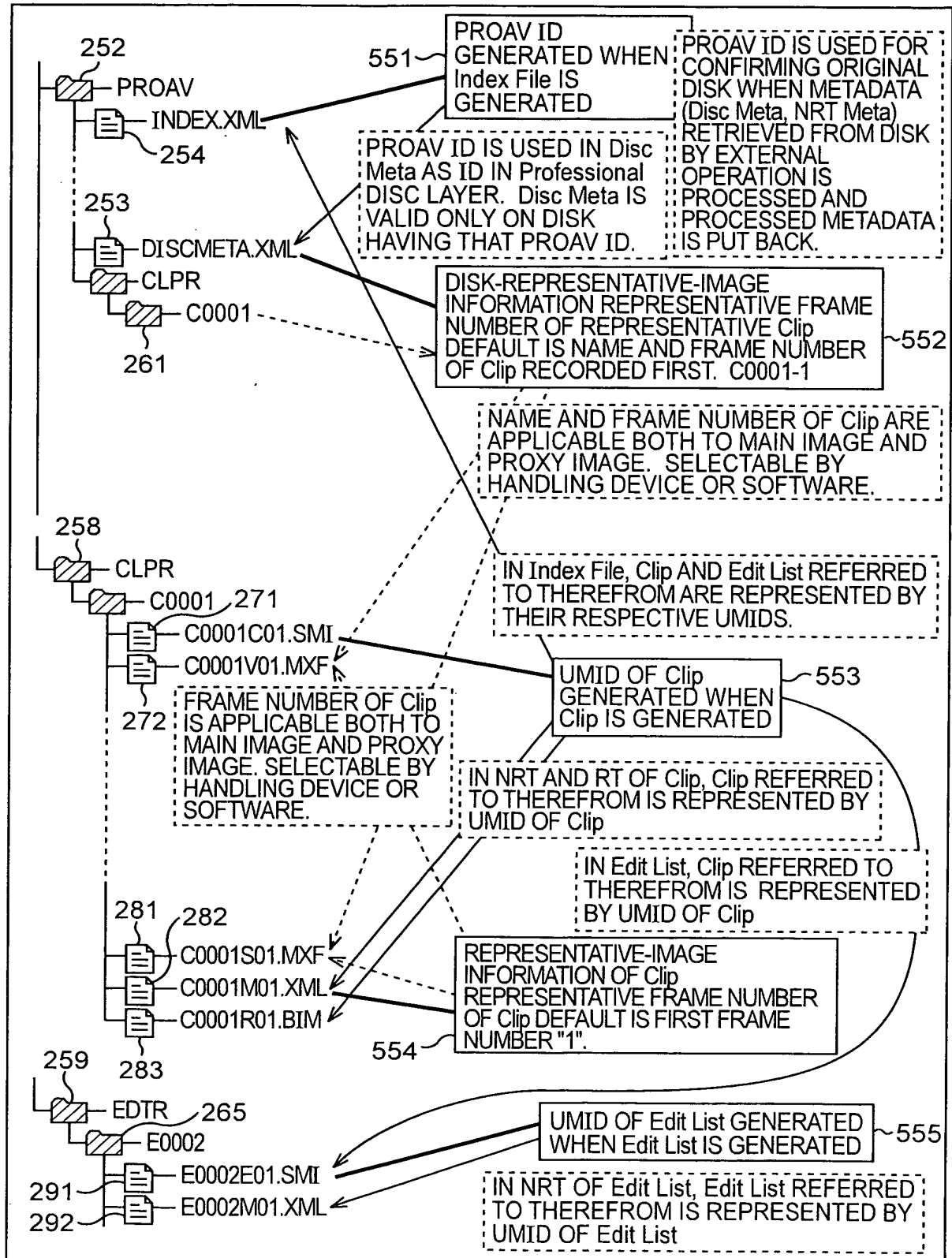


FIG. 41

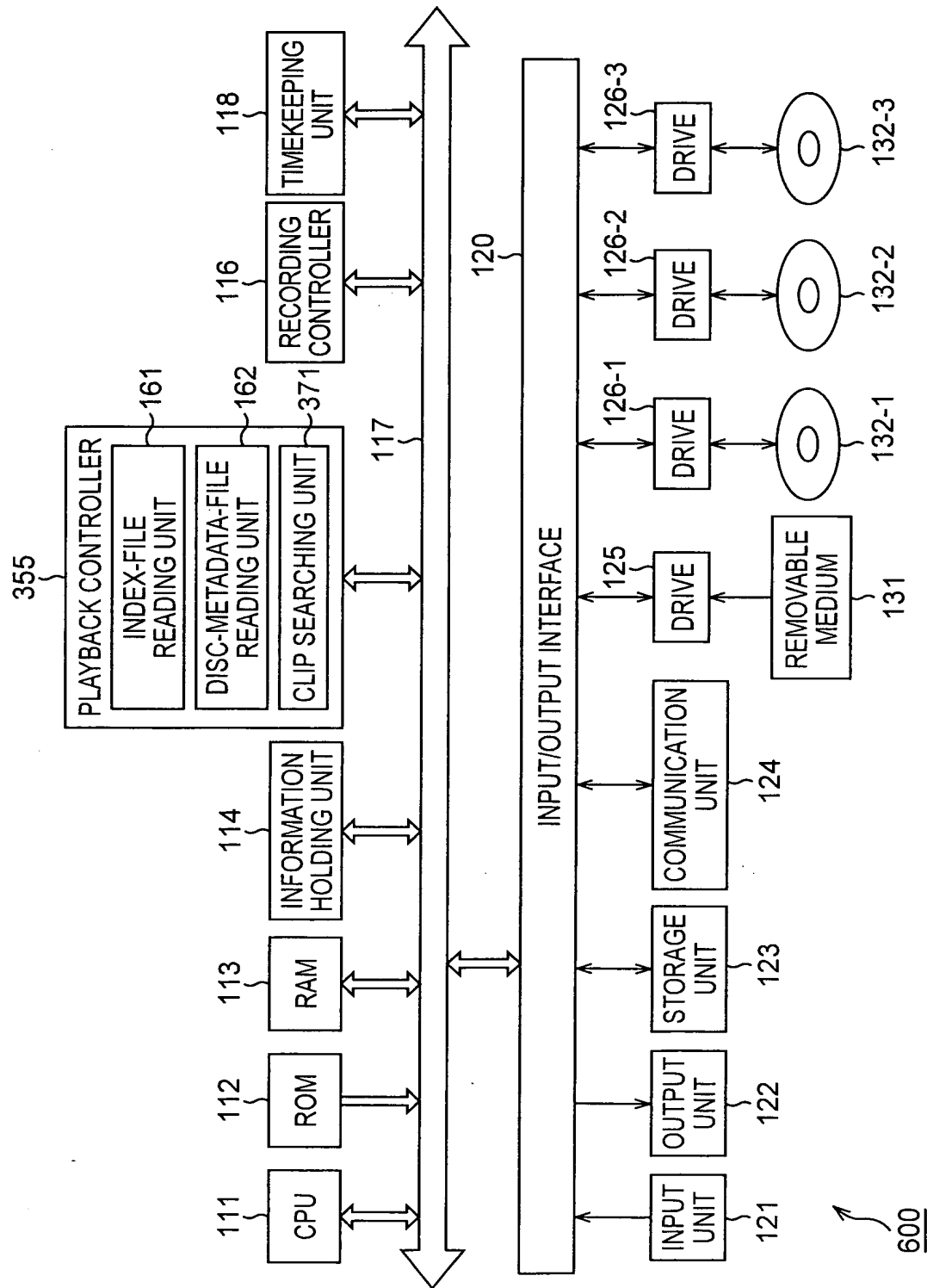


FIG. 42

